

AMENDMENTS TO THE DRAWINGS

Please replace the one sheet of drawings including Figure 16 originally filed with the attached replacement sheet of drawings including Figure 16.

Attachment: Replacement Sheet(s)

REMARKS/ARGUMENTS

Reconsideration and allowance in view of the foregoing amendment and the following remarks are respectfully requested.

Claims 1-8 and 23-25 are pending in the present application.

In response to the Examiner's Restriction Requirement, applicant hereby provisionally elects the Group I Invention, claims 1-8 and 23-25, drawn to a method for calculating movement of the heart. Applicant reserves the right to file a divisional application directed to the subject matter of the non-elected and now canceled claims 9-22.

Claims 1 and 3 have been amended and claims 23-25 have been added. The subject matter of the amended and new claims is disclosed in the published US application US 2005/043651A1, as laid out in the following using the Section Numbers [xxxx].

The current amendments to claim 1 can be summed up as:

The movement, acceleration and fastening of the motion sensor has been related to a "selected position on the surface of the heart" to emphasize that the invention relates to acceleration signals from a specific position of the exterior surface. This is a recurring feature in the entire description, see e.g. [0005], [0019], [0066], [0106], and [0112].

The option that the sensor could have been fastened immediately below the surface at selected position has been included in accordance with e.g. [0005] or [0019].

It has been emphasized that the acceleration signal describes the acceleration of said selected position on the surface, instead of simply the heart wall in general as in previous claim 1. This is a direct consequence of the amendments discussed above and is supported by the same parts of the description.

The optional feature relating to ischemia has been deleted, and replaced by a correlation of the acceleration signal to ischemia. Proper support for the applied formulations may be found in e.g. [0019], [0060], [0066], and [0105].

Claim 3 has been amended to bring the language into conformity of amended claim 1.

New claim 23 relates to integration of the acceleration signal to reconstruct speed and position of the selected position on the surface of the heart in accordance with [0045] and [0049].

New claim 24 relates to the size and fabrication of the motion sensor based on e.g. [0018] and [0021].

New claim 25 claims a system as disclosed in [0114] and further specifies features related to the positioning of the sensor as described in e.g. [0005] and correlation of the acceleration signal to ischemia described in e.g. [0019], [0060], [0066], and [0105].

Early and favorable Action on the merits is requested.

All objections and rejections having been addressed, it is respectfully submitted that the present application is in condition for allowance and an early Notice to that effect is earnestly solicited.

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Respectfully submitted,

NIXON & VANDERHYE P.C.

By:

A handwritten signature in black ink, appearing to read "Michelle N. Lester", written over a horizontal line.

Michelle N. Lester

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